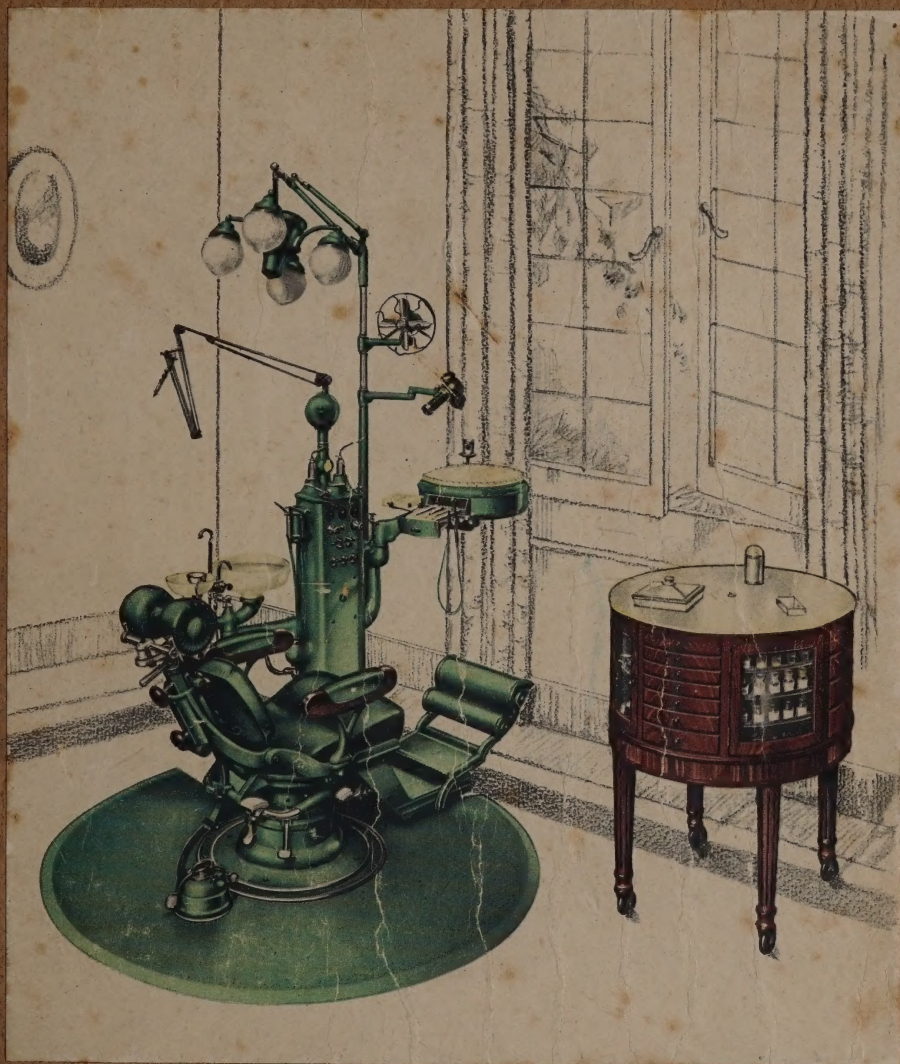




RATHBONE DENTAL UNIT



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“RATHBONE” DENTAL UNIT

*A Product of The D.M.Co.'s
British Factories :: :: ::*

THE DENTAL MANUFACTURING CO. LTD.
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The D.M.Co's

“RATHBONE”

DENTAL UNIT

THE “Rathbone” Unit is made and assembled by British craftsmen in our own factories at High Barnet, Herts. Modern methods of production enable the prices to be kept down to a reasonable level, but, none the less, each unit receives individual attention and every phase of the manufacture is controlled by highly skilled specialists.

The design of the “Rathbone” Unit is based on a thorough investigation of the needs of modern dentistry and a study of the possibilities and limitations of dental units generally. The layout is such that every piece of apparatus comes readily and naturally to hand. The position and movements of each component have been planned so that, when in use, the component can be brought to the most convenient position for the operator, and when not required, returned to a point where it will not impede him in any way. As a result, operation of the “Rathbone” is practically effortless. After a very short time spent in familiarising oneself with the general layout of the unit, the action of bringing any component into use becomes almost second nature.

By so bringing to the chairside, within range of a movement of the hand, constantly needed components and instruments of proved utility, the "Rathbone" Unit enables operations to be carried out more efficiently and with less expenditure of time and energy. There is less walking to and from the chair. The fatigue of daily practice is lessened and a quite appreciable amount of time saved.

But though the elimination of all unnecessary movement was the primary object of the design, the value of the impression made on the patient has not been overlooked. Modernity is tempered with dignity. Pleasingly symmetrical lines and well-proportioned fittings produce a balanced appearance that avoids the untidy look common to some units. The careful attention that is given to the finish of even the tiniest detail, the gloss and depth of colour of the hard-wearing cellulose enamel and the brightly-shining chromium-plated parts will satisfy even the most fastidious.

In the surgery the "Rathbone" Unit creates an atmosphere of scientific efficiency and modernity. It arouses the patient's interest and awakens in him a new respect for dental science and a greater appreciation of the importance of the treatment he is undergoing.

The purchaser of a "Rathbone" Unit enjoys to the full the pride of possession that comes from the ownership of a beautiful and efficient machine that is the best in its sphere.

The "Rathbone" Unit is made in three standard models—No. 1, which carries the full complement of components,

and Nos. 2 and 3, which are modified forms of No. 1, suited to the needs of those who either already have certain components, or else consider them unnecessary. Provision is made on both models No. 2 and No. 3, however, for the addition of any or all of the optional parts, should it be desired at any later time to do so.

Choice, however, is not restricted to these three models. Either one of them can be further modified by the addition or subtraction of parts as individual requirements may make desirable.

The "Rathbone" Unit can also be supplied to operate on the right-hand side of the chair—a feature that will be appreciated by left-handed practitioners.

SPECIFICATION OF MODEL No. 1.

Pedestal with necessary switches and regulators.
Spittoon and accessory parts.
Engine and Foot Controller.
Four-point or single diffusive Operating Light.
Spotlight.
Fan.
Bracket Table with L.V. Instrument Drawer.
Bunsen Gas Burner.
Warm and Cold Water Syringe.
Two Spray Bottles and Heaters.
Tumbler and Heater.
Hot-air Syringe.
Compressed Air Cut-off.
Mouth Lamp.
Root Canal Drier.
Cautery.
Wax Spatula.
Gutta Percha Instruments.
Tankless Air Compressor set to an air pressure of 30 lbs.

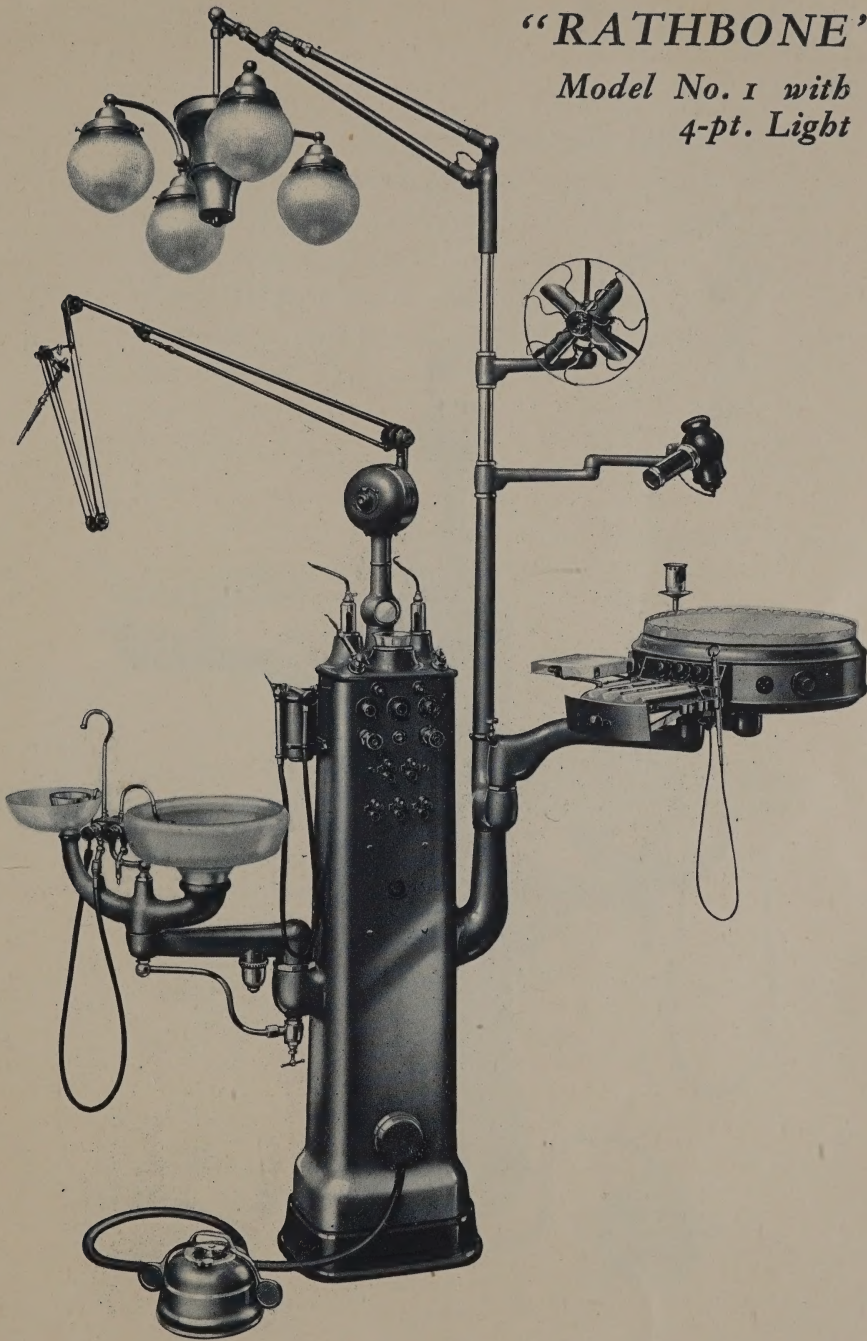
Finished in any of the following colours :—

BLACK, MAHOGANY, NEPTUNE GREEN,
IVORY TAN, BLUE, MIST GREY, WHITE.

Bright parts are chromium-plated. Control knobs and switches are black ebonite.

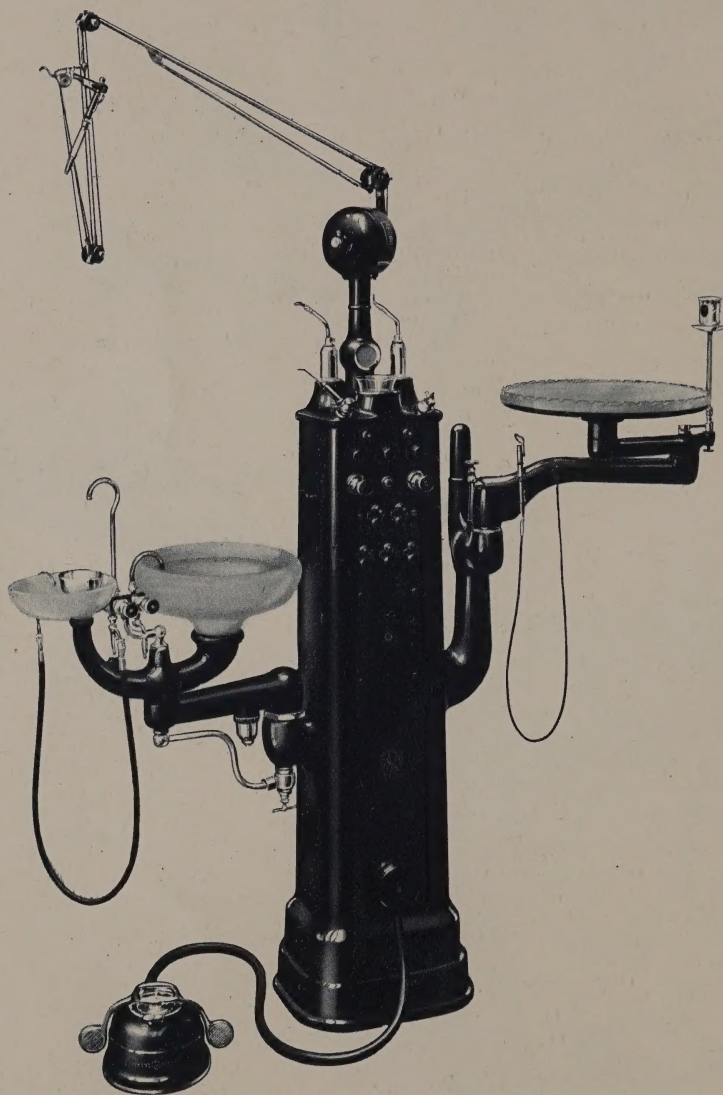
"RATHBONE"

*Model No. 1 with
4-pt. Light*



"RATHBONE"

Model No. 2.



SPECIFICATION OF MODEL No. 2.

Pedestal with necessary switches and regulators.
Spittoon and accessory parts.
Engine and Foot Controller.
Bunsen Gas Burner.
Simple Bracket Table and Arm.
Two Spray Bottles and Heaters.
Tumbler and Heater.
Hot-air Syringe.
Compressed Air Cut-off.
Mouth Lamp.
Tankless Air Compressor set to an air pressure of 30 lbs.

Finished in any of the following colours :—

BLACK, MAHOGANY, NEPTUNE GREEN,
IVORY TAN, BLUE, MIST GREY, WHITE.

Bright parts are chromium-plated. Control
knobs and switches are black ebonite.

SPECIFICATION OF MODEL No. 3.

Pedestal with necessary switches and regulators.
Spittoon and accessory parts.
Engine and Foot Controller.
Bunsen Gas Burner.
Bracket Table with L.V. Instrument Drawer.
Warm and Cold Water Syringe.
Two Spray Bottles and Heaters.
Tumbler and Heater.
Hot Air Syringe.
Compressed Air Cut-off.
Mouth Lamp.
Root Canal Drier.
Cautery.
Wax Spatula.
Gutta Percha Instruments.
Tankless Air Compressor set to an air pressure of 30 lbs.

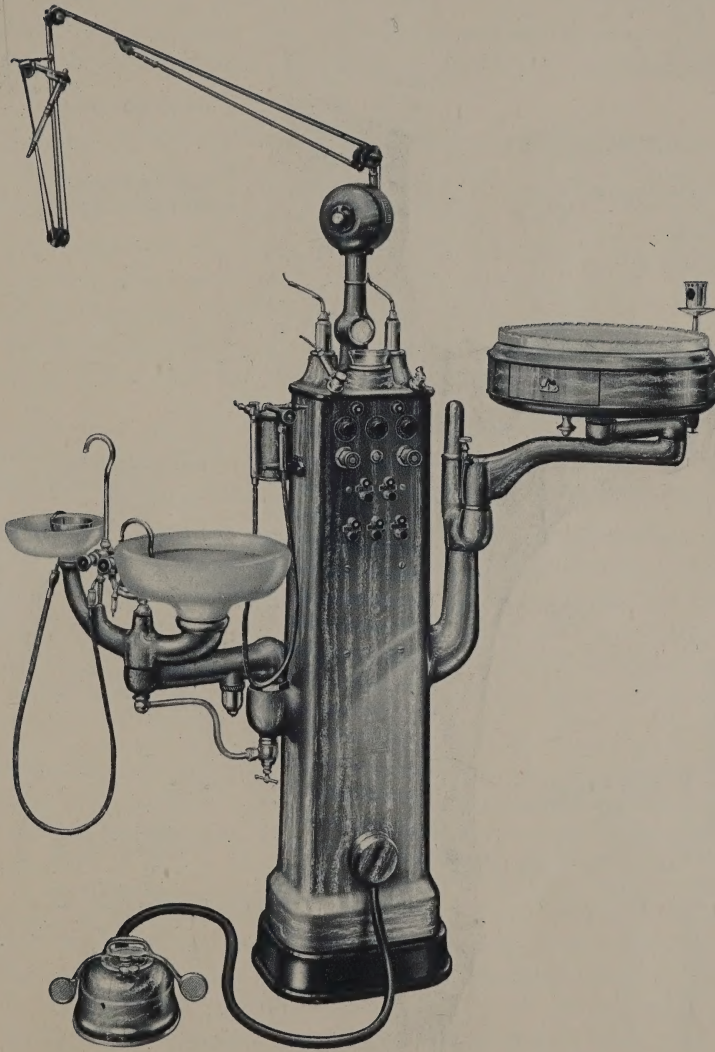
Finished in any of the following colours :—

BLACK, MAHOGANY, NEPTUNE GREEN,
IVORY TAN, BLUE, MIST GREY, WHITE.

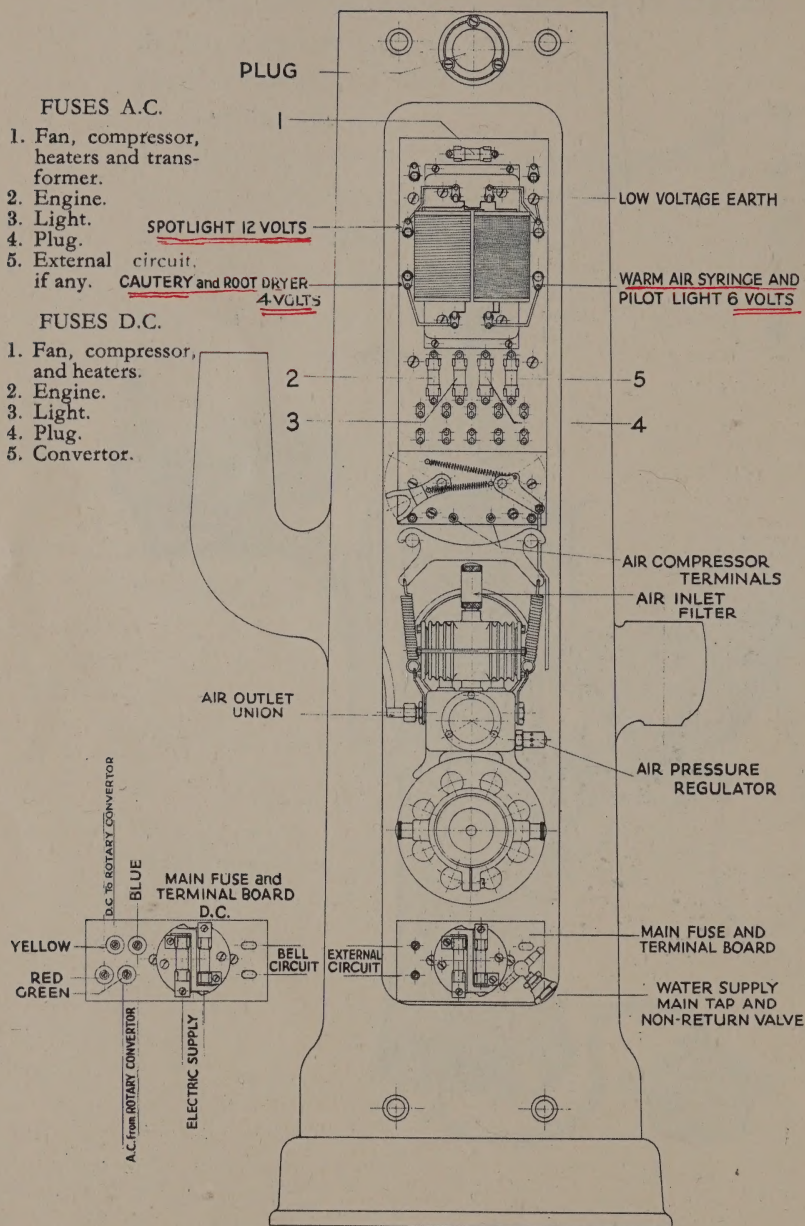
Bright parts are chromium-plated. Control
knobs and switches are black ebonite.

"RATHBONE"

Model No. 3.



ARRANGEMENT OF INTERIOR OF PEDESTAL



THE PEDESTAL

This is common to all three "Rathbone" models.

In design it is shapely and preserves the well-balanced appearance of the unit. It is strong and rigid, amply proportioned for its purpose, yet conveys no impression of bulkiness. It is easily cleaned, being entirely free from awkward corners and deep crevices.

The head of the pedestal carries the electric engine, the holders and heaters for the atomizers and tumbler, the hot-air syringe, the air cut-off and the pilot, or tell-tale, light.

On its sides, at the most convenient positions, are arranged the spittoon bracket, the hot and cold water syringe, the Bunsen burner, the bracket arm for the electrically-equipped bracket table and the bracket which, in the case of Model No. 1, supports the operating light, the fan and the spotlight.

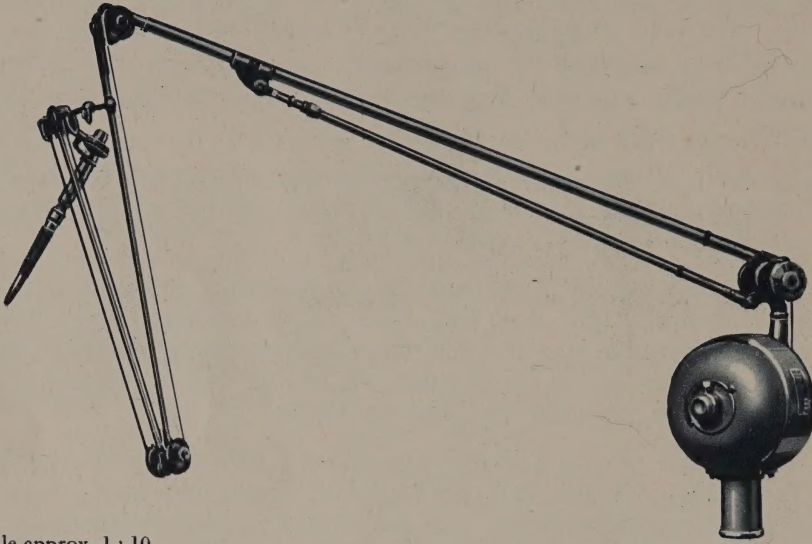
On the face of the pedestal are various switches and controls, the functions of which will be explained later, and at the base is attached the connecting rose for the engine foot-controller cable.

Housed within the pedestal are the air compressor, the metal tubes for the coal-gas supply and water supply and waste, the electrical switchboard and transformer, the main switch and fuses, or cut-outs, and the main water supply filter and non-return valve. Free access to these parts is provided by the full length door at the rear of the pedestal, which can be detached in a few seconds by the removal of its screws.

The pedestal is ventilated by four holes, two at the top and two at the bottom. This permits of free circulation of air and helps to prevent "sweating" or the accumulation of moisture due to condensation.

The sub-base is common in design for all three models. It is provided with convenient and highly satisfactory gland couplings for the water supply and waste, insulated entry holes for electric wiring and screw couplings for the compressed air and gas supplies. It is so arranged that the one sub-base can be used for either underfloor or overfloor connections. In the latter case the pipes can enter the unit either at the front, the back, or at either side, whichever is the most convenient.

THE ELECTRIC ENGINE



Scale approx. 1 : 10

This is our standard electric engine, of which many hundreds are in daily use, giving their owners the utmost satisfaction.

The "Rathbone" is a high efficiency engine with low running costs. It has the four speeds—in both forward and reverse directions—which experience has proved to be the most useful for dental purposes. At each of these speeds it develops ample power and runs smoothly, steadily and practically noiselessly. Response to the dictates of the foot controller is immediate.

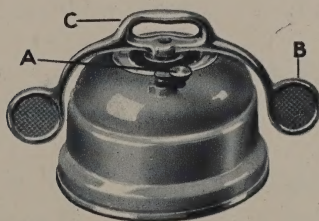
An important feature of this engine is the design of the bracket, which makes operation effortless. The bracket follows the hand in an astonishingly natural manner, and, in a very short time, the operator ceases consciously to direct its movements.

All the working parts are protected from dust and the bearings are self-lubricating.

The controller is fitted with a locking device for retaining the foot lever at any desired speed. This device can be brought into action or cut out by a twisting movement of the foot on the special button provided on the foot controller. When the locking device is not used the foot lever returns automatically to the "off" position immediately the foot is removed. When the locking device is in use the lever is returned to the "off" position by depressing the button with the toe. A carrying handle incorporated with the foot lever facilitates movement of the controller to any convenient position around the chair base.

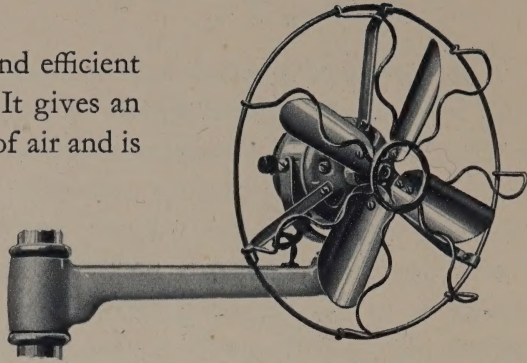
An all-cord arm with K4 wrist and No. 7 handpiece is the standard fitting, but a combined cord and cable arm with wrist, No. 2 slipjoint and No. 7 handpiece, or an all-cord arm with Doriot handpiece can be supplied instead if desired.

- A. Locking device button.
- B. Operating foot-switch.
- C. Carrying handle.



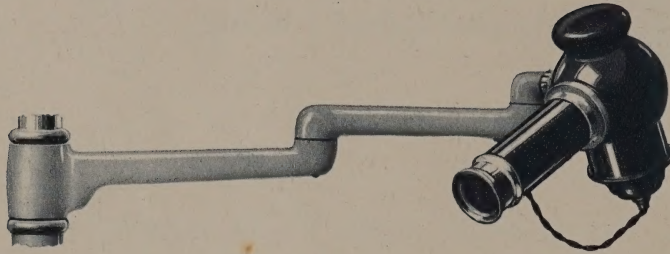
THE ELECTRIC FAN

The fan is a small, neat and efficient model of a reliable make. It gives an ample and uniform current of air and is adjustable in all directions.



Scale approx. 1 : 5.

THE SPOTLIGHT

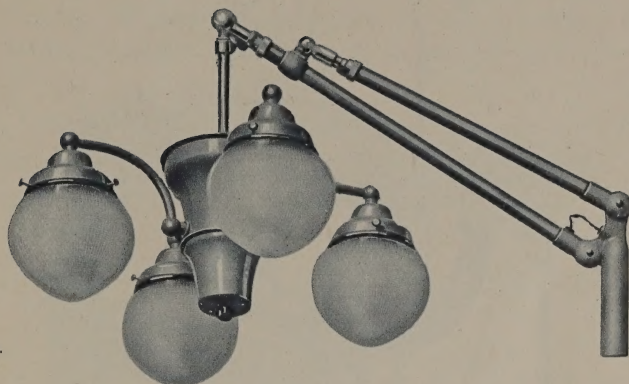


Scale approx. 1 : 5.

The spotlight is intended as an auxiliary light for strongly illuminating a small area. It gives a clear circle of intense, uniform light which will be found of great help in practice for examinations and delicate work needing bright illumination.

The angle of the projected beam of light is narrow enough to illuminate the mouth fully and yet allow the reflector to be placed some feet away from the patient. It is adjustable in all directions.

THE "RATHBONE" 4-POINT OPERATING LIGHT



Scale approx.
1 : 8.

This lighting unit radiates a direct but diffused light, comparatively free from shadows, kind to the eyes and comfortable to work under.

The light can be adjusted to any position with one hand. The adjustable arm carrying the cluster is counterbalanced by springs and consequently needs no locking screws or clamps. The joint is "friction-tight" and therefore will stay in whatever position it is placed.

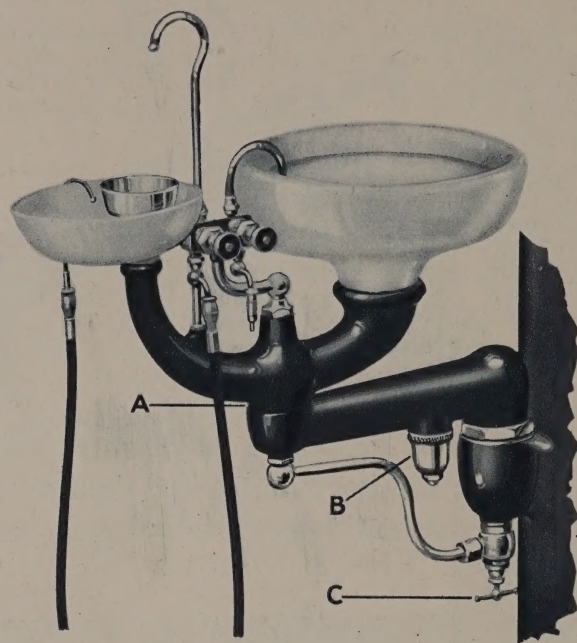
The switch has four points—four lights, two lights, one light and off.

Daylight bulbs of 100 c.p. are recommended.

THE SINGLE DIFFUSIVE OPERATING LIGHT

If desired, a single diffusive light can be fitted in place of the four-point light. A well-diffused, uniform illumination is obtained from this type of light.

THE "RATHBONE" SPITTOON



Scale approx. 1 : 7.

The "Rathbone" spittoon has great freedom of movement. The straight bracket arm can be swung horizontally through 180° from the front of the pedestal to the rear. The U-shaped arm, which carries the bowls, revolves through a complete circle on its apex "A." Thus the spittoon can be brought to the chairside, with either bowl close to the patient, or swung away right behind the pedestal, leaving ample space for the anæsthetist to work unhindered at the left side of the chair.

Its waterways are specially designed to conform with the stringent regulations of certain councils and sanitary institutes. All tubes connected to the spittoon, with the exception of the flexible rubber tube for the saliva ejector mouthpiece, are of smooth bore metal. A weir or trap "B" fitted in the straight arm takes the place of the

usual spittoon trap required by the authorities in the interests of sanitation. This trap is easily removed for cleansing. It is fitted with a small draining plug to enable the water to be run off from the arm before the trap is removed.

The spittoon bowl is of white opaline glass, attractive and clean in appearance. It is so shaped that it can be readily flushed with a low water pressure. The edge is turned inwards to prevent splashing.

A gold-catcher is fitted to trap pieces of metal, cotton pellets and other large substances likely to clog the pipes.

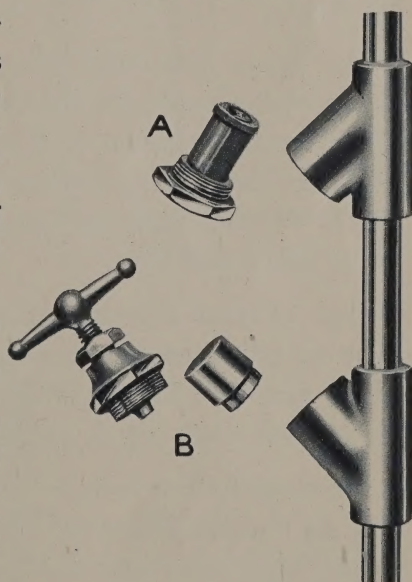
The denture bowl is of the same material as the spittoon bowl and the tumbler holder is metal, chromium-plated.

The taps are chromium-plated and so keep their brilliance without the labour of polishing. There are four taps of substantial and reliable design. One tap flushes the bowl, one operates the tumbler filler and a third controls the saliva ejector. The fourth tap is for a cold water syringe when our standard warm-and-cold water syringe is not fitted.

The saliva ejector empties directly into the waste pipe. No mucus from this source passes through the spittoon bowl and the unpleasant gurgling noises often present when the standard type of saliva ejector is in operation are entirely eliminated.

The main water supply pipe is fitted with a pressure regulating tap, a filter and a non-return valve. The filter keeps foreign matter from entering the taps or the syringe reservoir, and the non-return valve prevents water from finding its way back to the mains, thereby satisfying the requirements of the water supply companies.

The tap "C" seen at the base of the spittoon bracket arm is for turning the water supply to the spittoon on or off at will.



A. Water supply filter.

B. Pressure regulating tap and water supply non-return valve.

Both will be found on the main supply pipe inside the pedestal.

THE "RATHBONE" BRACKET TABLE

The "Rathbone" bracket table is of a particularly neat and attractive design. Though only five inches deep, it contains within its interior the low voltage instruments, the spare instruments and the controls as well as the necessary mechanism. When the operating drawer is closed, the table is in appearance an ordinary bracket table. Neither the instruments nor the *controls* are visible.

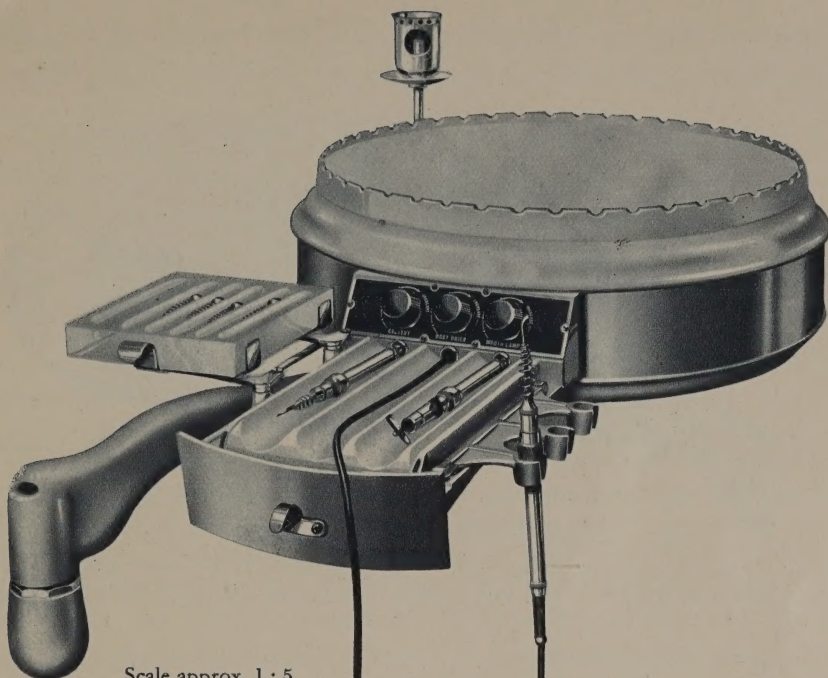
When the operating drawer is drawn out to its fullest extent the front drops below the level of the lower instrument tray. This not only facilitates the removal of the instruments and their leads, but also automatically locks the drawer in position, so that pressure on the controls will not cause it to slide back into the interior of the table.

The upper instrument tray which holds the spare instruments can be swung to the left and the rack on the right can be lowered to the horizontal position to form a rest for the instruments in use. The root canal drier, the mouth mirror and the spare instrument handle are then revealed lying in their respective divisions in the lower instrument tray.

Each of these instruments has its own independent control, the knob of which can be seen on the small switchboard at the back of the drawer. This switchboard disappears with the drawer into the interior when not in use.

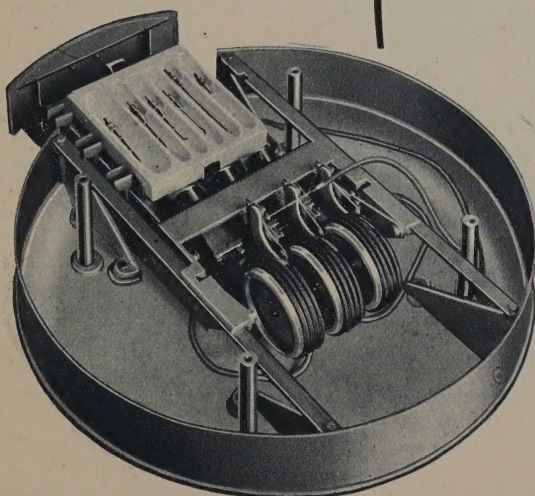
Electrical contact is made when either of the attached instruments with its lead is withdrawn. The lead runs out smoothly and quite silently to its full extent and then is automatically locked in position, taking all tension off the hand. A faint click announces electrical contact.

The instrument is replaced by drawing it forward slightly. This releases the lead which will wind itself around a drum in the interior



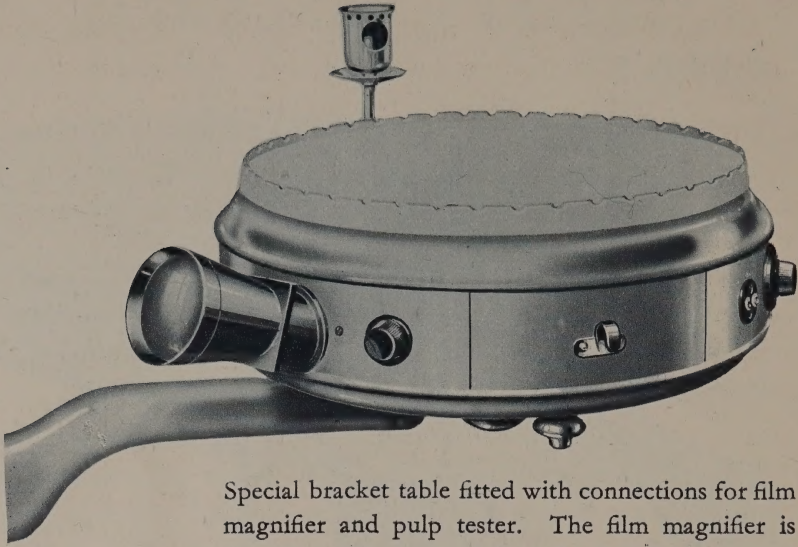
Scale approx. 1 : 5.

Bracket table with the instrument drawer in the operating position.



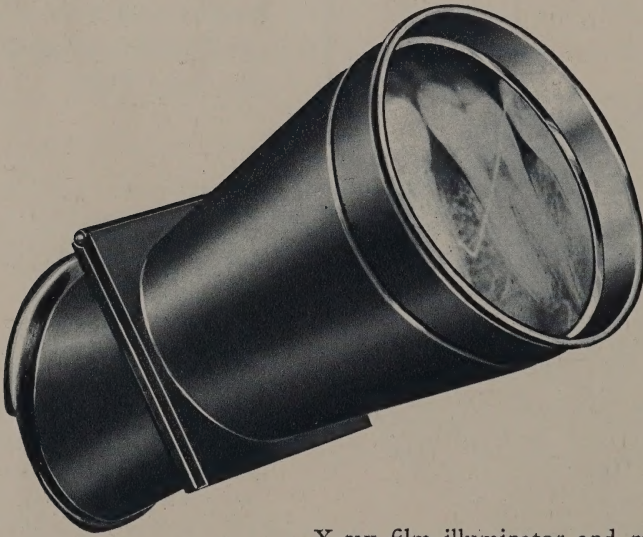
Scale approx. 1 : 5.

The interior of the bracket table, showing the simplicity of the working parts and the manner in which the instrument trays, rack and controls disappear inside the table when the drawer is closed.



Scale approx. 1 : 5.

Special bracket table fitted with connections for film magnifier and pulp tester. The film magnifier is seen in position to the left of the closed drawer, and the pulp tester connection and switch to the right.



Scale approx. 1 : 1½.

X-ray film illuminator and magnifier can be fitted to the special bracket table or to the pilot light.

of the table as the tension on it is relaxed. Electrical contact is automatically broken by this action and the instrument switched off.

The bracket table arms are designed to give great freedom of movement. The table can be adjusted to any desired position from close to and over the patient's lap to right behind the pedestal.

The white glass bracket table top or tray revolves independently of the lower portion. Articles on its surface, therefore, can be brought to hand or moved away without disturbing the position of the operating drawer.

The Bunsen burner does not revolve around the table, but it is so positioned that when the L.V. instruments are in use, the burner is always approximately on the window side of the table. A screw tap is fitted at the base of the burner to control its flame. The main gas tap is situated at the junction of the bracket arm and the upright standard. There is no exposed gas tubing.

The "Rathbone" instrument table can also be supplied to order with a bulb and fitting in its side for the "Rathbone" X-ray film illuminator and a connection for an electric pulp tester.

THE "RATHBONE" X-RAY FILM ILLUMINATOR AND MAGNIFIER

This very useful X-ray film illuminator can be attached to either the pilot light or to a special fitting on the instrument table. The film is illuminated and magnified to approximately twice its normal size. It will be found very useful for reference during operation and for interesting the patient in the treatment he is undergoing.

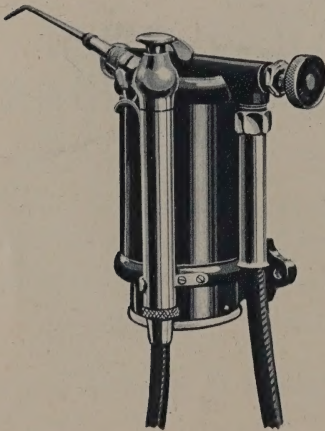
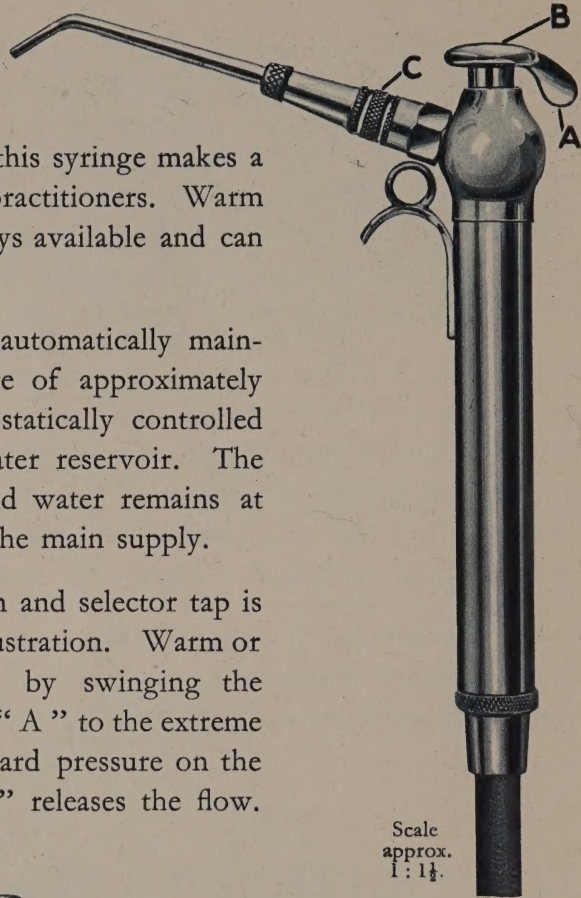
The illuminator is not a standard fitting but is supplied for a small extra charge.

THE WARM AND COLD WATER SYRINGE

The convenience of this syringe makes a strong appeal to most practitioners. Warm and cold water is always available and can be selected at will.

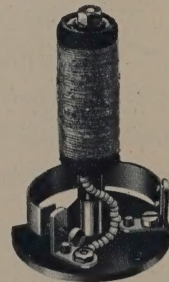
The warm water is automatically maintained at a temperature of approximately 100° F. by the thermostatically controlled heater of the warm water reservoir. The temperature of the cold water remains at approximately that of the main supply.

The operating button and selector tap is seen at "A" in our illustration. Warm or cold water is selected by swinging the "flag" or thumbpiece "A" to the extreme right or left. Downward pressure on the top of the button "B" releases the flow.



(Left). The warm water reservoir.

(Right.) The thermostat.



The change over from warm to cold water, or *vice versa*, can be made without withdrawing the syringe from the mouth.

The pressure can be varied from a mere trickle to a steady flow by the ferrule at "C." Here, too, the nozzle can be rotated to project the stream in any direction.

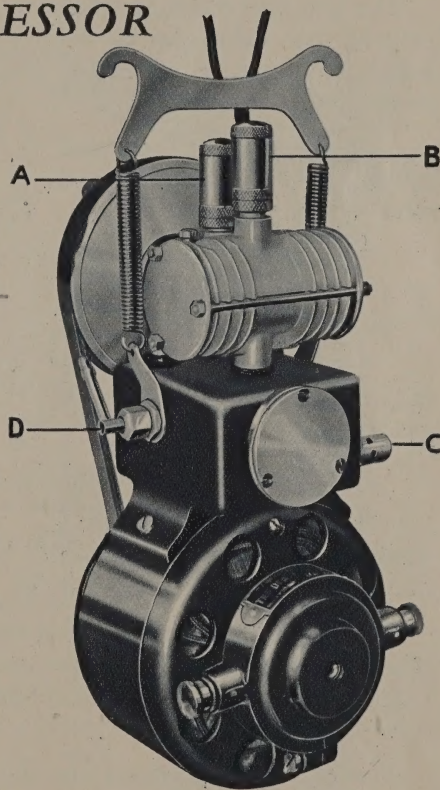
The flow of water to the reservoir can be regulated by the special regulating valve fitted to the reservoir. This valve should be closed at night.

THE AIR COMPRESSOR

This is a non-storage type of compressor, which supplies the compressed air to the hot-air syringe and the cut-off in a steady stream as it is needed. It is brought into action immediately either the syringe or the cut-off is withdrawn from its socket on the pedestal and stops running automatically when the instrument is replaced.

It develops a pressure of from 25 to 30 lbs. per square inch and is almost noiseless in running. There are no valves to need adjustment and radiator flanges keep the pump from overheating.

It is suspended by vibration-absorbing springs inside the pedestal.



- A. Grease Lubricator.
- B. Air inlet filter.
- C. Air pressure regulator.
- D. Air outlet union.

SPRAY BOTTLES, HEATERS AND CUT-OFF

The atomizer has long since proved its value in dental surgery. Among its many uses are :

Sterilization of the oral cavity before, during and after operation.

Cleansing sockets and wounds and checking hæmorrhage.

Distending and irrigating pockets in the treatment of pyorrhœa.

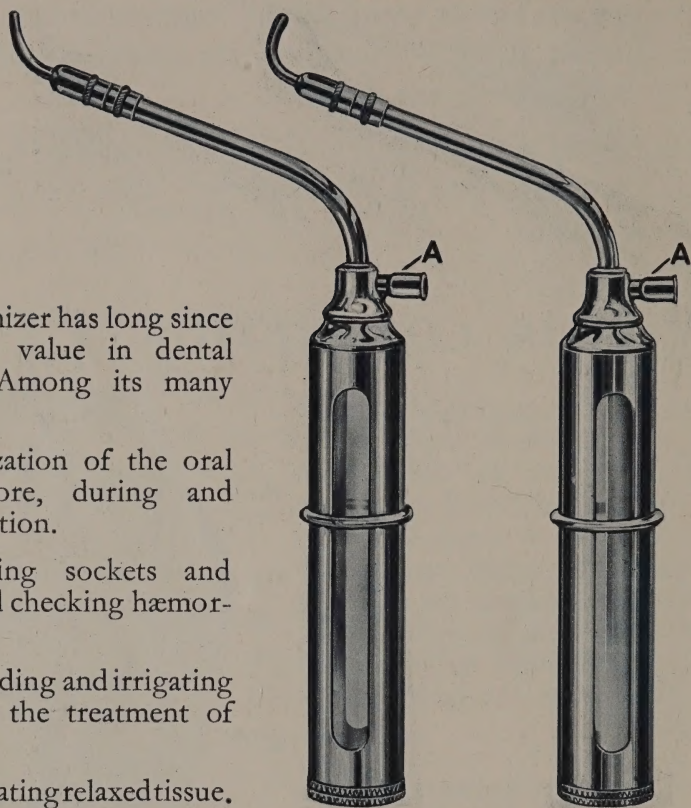
Stimulating relaxed tissue.

And when used with a weak anæsthetic solution—the prevention of retching in impression taking.

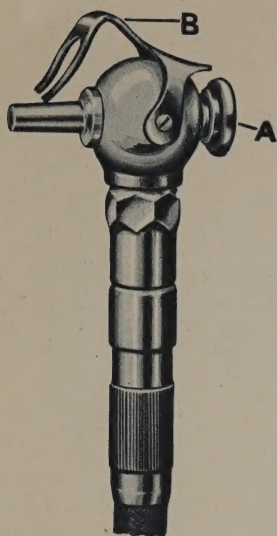
The spray bottles supplied with the “Rathbone” Unit have glass containers protected by chromium-plated metal sheaths provided with two windows. They are charged by unscrewing and removing the stem.

The nozzles illustrated are the standard type, but other designs can be supplied as well for a small extra charge.

The cut-off is fitted to the tube “A” seen at the side of the bottles and secured in position by pressing down the spring clip “B.”



Scale approx. 1 : 2.



Pressure on the operating button "A" immediately releases the stream of atomized liquid. The pressure of the flow is regulated by the appropriate valve on the face of the pedestal.

The heaters for the spray bottles and the tumbler are of a particularly robust design. They are controlled independently by switches on the face of the pedestal.

There is a choice of three different temperatures with each of these heaters.

HOT AIR SYRINGE

Uses :

For drying cavities.

As a chip-blower.

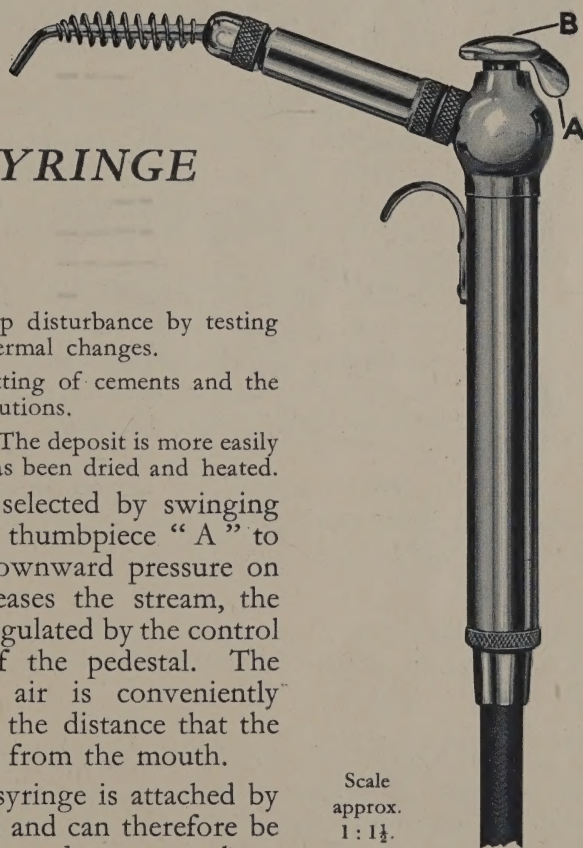
For diagnosis of pulp disturbance by testing the reaction to thermal changes.

For hastening the setting of cements and the evaporation of solutions.

As an aid in scaling. The deposit is more easily removed after it has been dried and heated.

Hot or cold air is selected by swinging the operating button thumbpiece "A" to the right or left. Downward pressure on the button "B" releases the stream, the pressure of which is regulated by the control knob on the face of the pedestal. The temperature of the air is conveniently regulated by varying the distance that the syringe nozzle is held from the mouth.

The nozzle of the syringe is attached by a ball and socket joint and can therefore be turned in any direction and at any angle.



Scale
approx.
1 : 1½.

THE ELECTRIC MOUTH LAMP

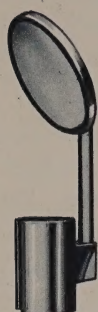


Fig. 2

The mouth lamp facilitates the making of accurate diagnosis. It can be used for transillumination of the antrum, for general mouth examinations, for the inspection of distal cavities, orthodontic appliances, fillings, etc., and for detecting dead teeth.

It should be used at full intensity for transillumination but for general working the brilliancy may be cut down.

The mirror rotates around the hand-piece and can be easily removed when a direct light is desired. It does not become cloudy, neither does it reflect back the light into the operator's eyes.

The current is switched on and off by the sliding barrel switch on the handpiece and the intensity of the light is varied by the control knob on the switch panel at the back of the drawer.

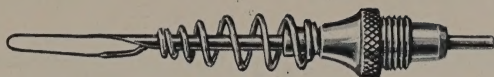
Fig. 2 shows how easily the mouth lamp can be dismantled for sterilization.



Scale approx.
1 : 1 $\frac{1}{4}$.

SPECIAL NOTE.—It will be seen that the "Rathbone" low voltage instruments all screw into the handpiece. They are therefore perfectly rigid and secure when in use. Screwing the instrument into the handpiece automatically completes the electrical circuit.

THE CAUTERY

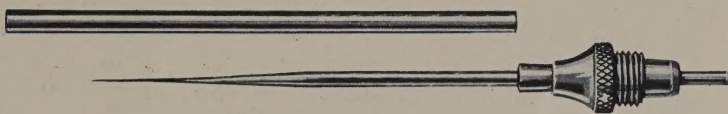


Slightly reduced.

The cautery is quick in action, causes little pain and no hæmorrhage. It is used for treating sensitive dentine, giving relief from pain, for removing hypertrophied gum tissue and ulcers without hæmorrhage, for stimulating old sockets, slow to heal. In the treatment of pyorrhœa it is useful for destroying pus pockets.

The cautery is switched on by the sliding barrel switch on the handpiece and the intensity of the heat regulated by the knob on the instrument drawer switch board.

THE ROOT CANAL DRIER



Slightly reduced.

For drying the walls of root canals. Enables you to be sure of reaching the apex in every case. Hence its advantage over the hot air syringe for this purpose.

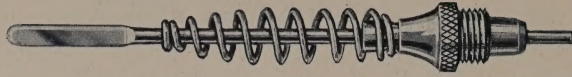
It is best used with a slight pumping action. It will then not only evaporate the moisture but also expel the moist air from the canal.

The fine flexible point is made of silver and is therefore a good conductor of heat. It will bend to any angle and will traverse any root canal capable of being cleaned by a broach.

A metal sheath is supplied to protect the point when not in use.

The current is switched on and off by the sliding barrel switch on the handpiece and the heat is regulated by the knob on the control panel at the back of the instrument drawer.

THE WAX SPATULA



Slightly reduced.

The wax spatula can assist in bleaching dead or discoloured teeth by hastening the action of the H_2O_2 . It also facilitates the removal of crowns, etc., temporarily set with gutta percha, and is useful for waxing up plates and mixing filling materials, medicaments, etc., where heat is indicated.

Operated and controlled in a similar manner to the instruments previously described.

THE GUTTA PERCHA INSTRUMENTS

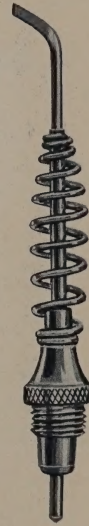


Slightly reduced.

For softening and working gutta percha. They can also be used for assisting in bleaching dead and discoloured teeth by using the heat to hasten the action of H_2O_2 .

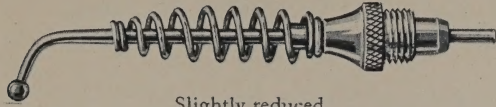
One right-handed and one left-handed gutta percha instrument are supplied with the unit.

They are operated by the barrel switch on the handpiece, and can be regulated to any desired heat by the control on the instrument drawer switchboard.



Slightly reduced.

THE BALL POINT BURNISHER



Slightly reduced.

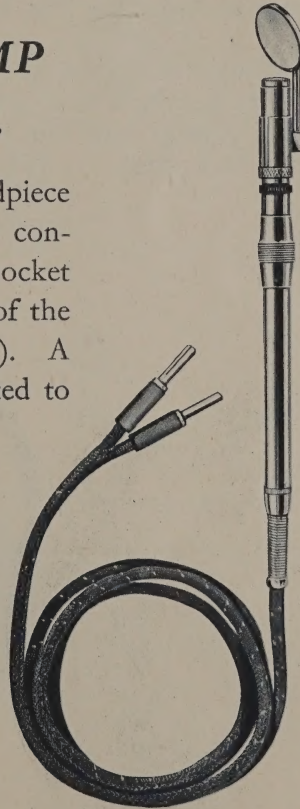
For burnishing fillings and for inserting temporary fillings.

When used for temporary gutta-percha fillings the burnisher should be switched off and cooled before finishing the filling, as otherwise the gutta-percha will adhere to the hot point.

Operated and controlled as the other low voltage instruments.

THE MOUTH LAMP FOR MODEL No. 2.

An electric mouth lamp and handpiece is supplied with flex and a plug-in connection for attachment to a socket provided in the bracket table arm of the No. 2 Unit (see illustration, page 8). A rest for the mouth lamp is also fitted to the arm.



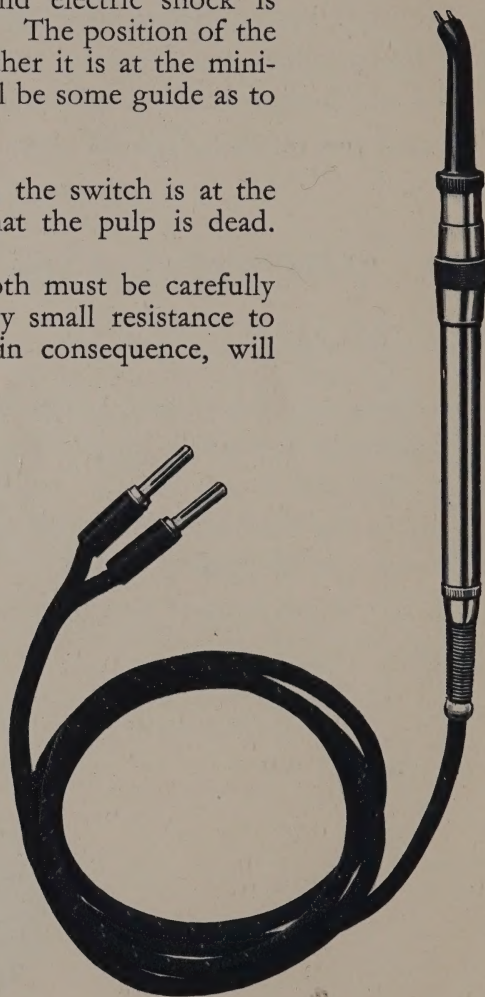
THE PULP TESTER

An electrical test of pulp vitality is considered a valuable aid in diagnosis.

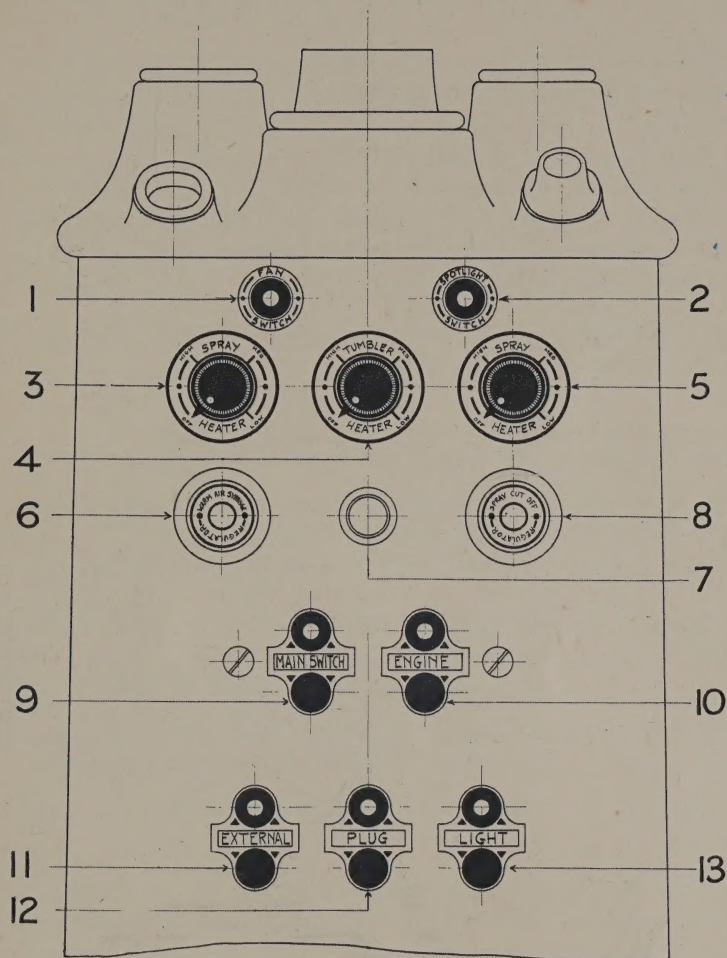
For its successful application the tooth must be first thoroughly dried. The current is then gradually increased by the potentiometer until a definite sensation of a mild electric shock is experienced by the patient. The position of the potentiometer switch, whether it is at the minimum or maximum end, will be some guide as to the vitality of the pulp.

Absence of shock when the switch is at the maximum end indicates that the pulp is dead.

Metal fillings in the tooth must be carefully avoided as they offer a very small resistance to the electric current, and, in consequence, will give a false indication.



SWITCHES AND CONTROLS

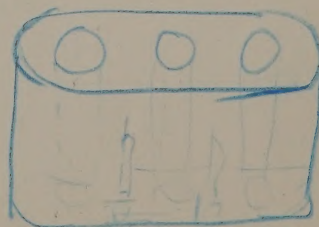


All switches and regulators are conveniently arranged,
simple to operate and reliable in action.

- | | |
|---------------------------------|-------------------------------------|
| 1. Fan switch. | 8. Cut-off air pressure regulator. |
| 2. Spotlight switch. | 9. Engine switch. |
| 3. Spray heater regulator. | 10. Main switch. |
| 4. Tumbler heater regulator. | 11. A.C. external circuit switch or |
| 5. Spray heater regulator. | D.C. transformer switch. |
| 6. Warm air pressure regulator. | 12. Plug switch. |
| 7. Bell push. | 13. Operating light switch. |

ERRATA.

9. for Engine Switch read Main Switch.
10. for Main Switch read Engine Switch.



INSTALLING AND ASSEMBLING THE "RATHBONE" UNIT

Installing and assembling the "Rathbone" Unit presents no real difficulty. The connections for the electric, the gas and the water supplies, the water waste and, in some special cases, the air supply, are straightforward and conveniently arranged. The simplicity of fitting the several components is apparent on examination of the parts. Electrical contact is, in most cases, made automatically when the part is placed in position. Full instructions are given in the booklet sent out with the unit.

Where desired we will instal and assemble the unit for a small charge based on the actual cost.

MAINTENANCE SERVICE

We have a staff of highly skilled mechanics making regular tours of the country to give attention to dental units. The charge for this service is very moderate and the work undertaken includes :—

INSPECTION OF UNIT	Examining unit and various parts, making good adjustments, and reporting, where necessary, parts needing replacement or repair.
INSPECTION OF SPITTOON	Fitting new washers where required and effecting any other similar adjustments necessary.
OVERHAULING OF ENGINE	Oiling, cleaning and reporting on condition of brushes, cords, handpiece, etc.
ATTENTION TO SWITCHBOARD	Re-adjustment of switches, resistance, air pressure regulator, etc., and re-washing where necessary.
INSPECTION OF SMALL ELECTRICAL INSTRUMENTS	Examining generally and reporting on condition of electric leads, air tubes, etc.
EXAMINATION OF ELECTRIC AIR COMPRESSOR	Re-adjusting contacts in auto switch, inspecting carefully all parts. Also cleaning compressor motor, and reporting on condition of the whole outfit.

FULL PARTICULARS ON REQUEST.

PRICES OF "RATHBONE" UNIT and PARTS

		£	s.	d.
Model No. 1, with 4-point Light	A.C.	185	0	0
	D.C.	200	0	0
Model No. 2	A.C.	135	0	0
	D.C.	150	0	0
Model No. 3	A.C.	155	0	0
	D.C.	170	0	0

If the Unit is taken minus the "Rathbone" Engine, deduct £22 10 0

"Rathbone" Instrument Table and Arm, Instruments and Spare

Points, Bunsen		22	0	0
A. Spotlight and Arm		6	10	0
B. "Rathbone" 4-point Light and Arm		15	0	0
B. Single Diffusive Light and Arm		10	0	0
C. Fan and Arm		5	0	0
Standard for A, B, C		5	0	0
— Warm and Cold Water Syringe and Reservoir		6	0	0
Valveless Air Compressor and Motor complete		16	10	0
Hot Air Syringe		3	10	0
Air Cut-off (New Pattern)		1	5	0
Covered Tubing for above	per foot	0	1	6
Atomizers	each	1	5	0
Pulp Tester		1	10	0
Transformer and Potentiometer for Pulp Tester		1	10	0
Film Viewer Attachment		1	15	0
Fitting for Film Viewer, consisting of Light Fitting and Switch		1	15	0

RENEWAL PARTS OF SMALL ELECTRICAL INSTRUMENTS.

Handle for Cautery, Mouth Lamp or Root Drier		1	5	0
Cautery Point		0	7	6
Mouth Lamp Bulb and Mount		0	6	6
Mirrors only		0	1	3
Mouth Lamp Bulb Holder		0	9	6
Metal Shield and Mirror Support }		0	10	6
Root Drier Points		0	10	6
Gutta Percha Instruments		0	10	6
Wax Spatula		0	10	6

GLASSWARE.

Bracket Table		2	0	0
Spittoon Bowl		2	10	0
Finger Bowl		0	17	0
3 Groove Instrument Tray		0	11	6
5 Groove Instrument Tray		0	7	6

The prices quoted above do not include fitting to unit.
A small charge is made for installing the unit and
calculated on the actual cost.

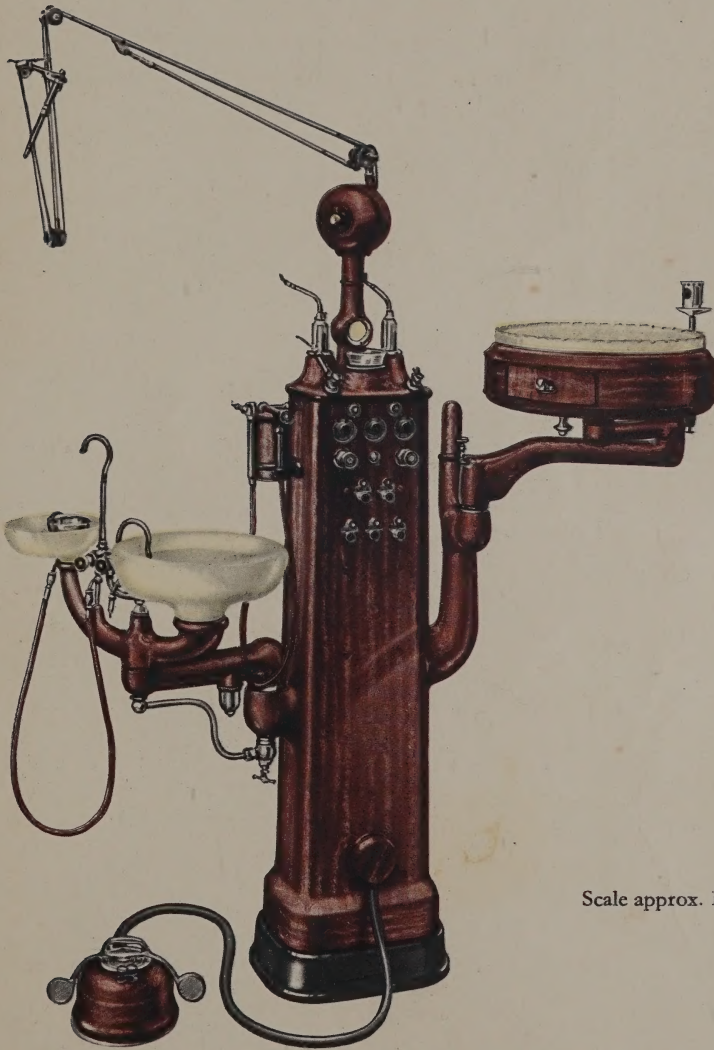
“RATHBONE” DENTAL UNIT

SCHEDULE OF DEFERRED PAYMENTS.

	List Price.	Initial Payment.	FOR ONE YEAR.		FOR TWO YEARS.		FOR THREE YEARS.	
			Balance including interest at 4 per cent. per annum.	Payable in 12 monthly payments of	Balance including interest at 4 per cent. per annum.	Payable in 24 monthly payments of	Balance including interest at 4 per cent. per annum.	Payable in 36 monthly payments of
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
MODEL No. 1.								
With 4-point Light.								
For Alternating Current	185 0 0	37 0 0	153 18 0	12 16 6	159 16 0	6 13 2	165 15 0	4 12 1
For Direct Current	200 0 0	40 0 0	166 8 0	13 17 4	172 16 0	7 4 0	179 5 0	4 19 7
MODEL No. 1.								
With Single Diffusive Light								
For Alternating Current	180 0 0	36 0 0	149 15 0	12 9 7	155 10 0	6 9 7	161 5 0	4 9 7
For Direct Current	195 0 0	39 0 0	162 5 0	13 10 6	168 10 0	7 0 5	174 15 0	4 17 0
MODEL No. 2.								
For Alternating Current	135 0 0	27 0 0	112 6 0	9 7 2	116 12 0	4 17 2	120 18 0	3 7 2
For Direct Current	150 0 0	30 0 0	124 16 0	10 8 0	129 12 0	5 8 0	134 8 0	3 14 8
MODEL No. 3.								
For Alternating Current	155 0 0	31 0 0	128 19 0	10 14 11	133 18 0	5 11 7	138 17 0	3 17 2
For Direct Current	170 0 0	34 0 0	141 9 0	11 15 9	146 18 0	6 2 5	152 8 0	4 4 8

"RATHBONE"

Model No. 3 in Mahogany



Scale approx. 1 : 12.

